

Applicant: Wooh, et al.  
For: BUILDING CONSTRUCTION AND METHOD USING TENSION  
SUPPORT METHOD

1 Sub 1. A building construction using tensional support members comprising: a  
2 support structure for bearing a compressive load; a support beam borne by said structure;  
3 at least one enclosure cell; and at least one tension member for suspending said  
4 enclosure cell from said support beam. 711, 12, 25 (34)  
(87)

1 repeat 1, 2 (80, 31) 23  
2 5634520 1, 2  
3 2. The building structure of claim 1 in which said support structure includes  
4 a column. 5634520

1 repeat 1, 2 5634520  
2 3. The building structure of claim 1 in which said support structure includes  
3 two columns. 63, 1631 1514  
4 5634520

1 repeat 1, 2 5634520 see Fig 7  
2 4. The building structure of claim 1 in which said support structure includes  
3 at least three columns. 63, 1631  
4 5634520

1 repeat 1, 2 5634520  
2 5. The building structure of claim 1 in which said support beam includes a  
3 linear beam. 63, 1631  
4 5634520

1 repeat 1, 2 5634520  
2 6. The building structure of claim 1 in which said support beam includes an  
3 annular beam. 63, 1631  
4 5634520

1 7. The building structure of claim 1 in which said support beams includes a  
2 number of linear beams.

1 8. The building structure of claim 1 in which said support beam includes an  
2 inner and an outer annular beam and an interconnection structure connecting the two.

1 9. The building structure of claim 1 in which said support beam includes a  
2 tension member including a cable element.

1 10. The building structure of claim 1 in which said support beam includes a  
2 number of cable elements suspending each said enclosure cell.

1 11. The building structure of claim 1 in which said support beam includes a  
2 fiber reinforced plastic material.

1 12. The building structure of claim 1 in which said enclosure cell includes a  
2 wall and floor.

1 13. The building structure of claim 1 in which said support beam includes  
2 fiber reinforced plastic material.

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Sub 627

1 ~~102 3241031~~ 14. A method of building using tensioned support members comprising  
2 providing a support structure for bearing a compressional load; installing a support beam  
3 ~~102 3241031~~ on said support structure; providing at least one enclosure cell; and suspending each  
4 enclosure cell with a tension member from said support beam.

1 ~~102 3241031~~ 15. The method of claim 14 further including suspending additional enclosure  
2 cells from said support beam.

1 ~~102 3241031~~ 16. The method of claim 14 in which said support structure includes at least  
2 two columns. ~~102 3241031~~

1 ~~102 3241031~~ 17. The method of claim 14 in which said support beam includes at least two  
2 beams.

1 ~~102 3241031~~ 18. The method of claim 14 in which said support beam includes a linear  
2 beam.

1 ~~102 3241031~~ 19. The method of claim 14 in which said support beam includes an annular  
2 beam.

1 ~~102 3241031~~ 20. The method of claim 14 in which said support beam includes an inner and  
2 an outer annular beam and an interconnection structure between the line.

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